

S W A N  
A NEW  
ALMANACK

For the year of our  
LORD GOD

1678.

Being the second after Bissextile, or Leap  
year and from the Creation of the World  
(at the Spring) 5681 years compleat.

Calculated properly for the famous  
University and Town of Cambridge, whose  
Longitude is 24 degr. and 20 min.  
Latitude 52 Deg. and 17 min.

Wherein is shewed the principall Aspects of  
the Planets, with the beginning and ending  
of the Terms both at Cambridge, and London,  
with severall other things of note futable for  
a work of this kind.

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*Mitt autem Deus, fiant Luminaria in Firmamen-  
to Caeli, & dividant Diem ac Noctem: & sint in  
Signa, & tempora, & Dies, & Annos, Gen. 1. 14.*

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C A M B R I D G E,  
Printed by John Hayes, Printer to the  
University. 1678.

**A Regal Table from Egbert ( of whom it is thought  
England took its name ) to our Sovereign Lord  
King Charles the second.**

Kings names	Reig. bega. A. C.	Reign. years.	Kings names.	Reig. bega. A. C.	Reign. years
Egbert	818	18	Henry	2 1154	35
Ethelwolf	836	21	Richard	1 1189	10
Ethelbald	857	1	John	1 1199	17
Ethelbert	858	5	Henry	3 1216	56
Ethelfred	863	10	Edward	1 1272	35
Alfred	873	27	Edward	2 1307	19
Edward 1 sax	900	24	Edward	3 1326	51
Ethelstan	924	16	Richard	2 1377	22
Edmond 1.	940	6	<i>Line of Lanc.</i>		
Edred	946	9	Henry	4 1399	13
Edwyn	955	4	Henry	5 1413	9
Edgar	959	20	Henry	6 1422	38
Edward 2 sax.	979	27	<i>Line of York.</i>		
Ethelrei	982	34	Edward	4 1460	23
Edmond 2	1016	1	Edward	5 1483	0
<i>Danish Line</i>			Richard	3 1483	2
Canutus	1017	20	<i>Families united</i>		
Harold 1.	1037	3	Henry	7 1485	24
Hardicanutus	1040	2	Henry	8 1508	40
Edward conf.	1042	23	Edward	6 1547	6
Harold 2	1065	2	Q. Mary	1553	5
<i>Norman Line</i>			Q. Elizabeth	1558	44
Wil. Conquer.	1066	20	King James	1562	22
Wil. Rufus.	1087	13	Charls	1 1625	24
Henry	1100	35	Charls	2 1648	28
Stephen	1135	19	whom God preserve.		
<i>Saxon Line restored</i>					

This Table needs no explanation, for find but the Kings  
name in the 1. or 4 Column, and in the 2 or 5 you have  
the year of Christ in which he began his Reign, and in  
the 3 or 6 Column the years he Reigned.

Swan 1678.

Table of the Terms with their Returns.

May Term begins January 23, ends February 11.

Days, or days of effoin.	Days of Exception	Returns Brevium.	Days of Appeara.
Hilar. Jan. 20	Jan. 21	Jan. 22	Jan. 23
Hilar. Jan. 27	Jan. 28	Jan. 29	Jan. 31
Purif. Feb. 3	Feb. 3	Feb. 5	Feb. 6
Purif. Feb. 9	Feb. 9	Feb. 12	Feb. 12

Easter Term begins April 17, ends May 13.

Pasch. Apr. 15	April 15	April 16	April 17
Pasch. April 22	April 22	April 23	April 24
Pasch. April 29	April 29	April 30	May 1
Pasch. May 6	May 6	May 7	May 7
Ascen. May 10	May 10	May 12	May 12

Trinity Term begins May 31, ends June 19.

Trin. May 27	May 28	May 29	May 30
Trin. June 4	June 5	June 6	June 7
Trin. June 11	June 12	June 13	June 14
Trin. June 18	June 19	June 19	June 20

Michaelmas Term begins Oct. 23, ends Novemb. 28.

Mich. Octob. 20	Octob. 22	Octob. 23	Octob. 24
Mich. Octob. 27	Octob. 29	Octob. 29	Octob. 30
Michaelm. Novem. 3	Novem. 5	Novemb. 5	Novemb. 6
Mart. Nov. 12	Nov. 13	Novemb. 14	Novemb. 15
Mart. Nov. 19	Nov. 20	Novemb. 21	Novemb. 22
Mart. Nov. 26	Nov. 27	Novemb. 27	Novemb. 28

The Table of the Terms explained,

**F**irst you are to know that every Return hath a Basis or known day, from whence it takes its denomination.

Crastino is the morrow after the Basis, or day nominated, as Crastino Trinitatis is the morrow after Trinity Sunday, which is the Basis or day that gives the denomination. Octabis is 8 days after Inclusive; Quind. is 15 days after; Tres that day 3 weeks; Mense that day month; and Quing. that day 5 weeks.

Now every one of these Returns hath 4 several days whereof they consist, the first whereof hath a double signification; the one is the day of Return, and the other the day of Essoyn for the Defendant in a personal Action, or the Tenant in a reall Action, to be Essoyn'd: the second is the day of exceptions, for the Plaintiff, or Defendant to lay an exception, if no Essoyn be cast, that the Defendant shall not be Essoyn'd or Amerced: The third is Returna Brevium that is, the day whereon the Sheriff must return the Writ: And the fourth is the day of Appearance for Parties and Jurors in the Court of Common Pleas.

But when any of these days fall upon Ascension day, Midsummer day, All Saints day, or the Feast of the Purification, or any other Saints day, or Sunday, the next day serves for both; as if the Essoyn day fall upon a Sunday, then Munday must serve for that, and for the day of Exception both, as you may find by the foregoing Table.

The following Table sheweth the Suns Meridian, Altitude and Declination, as also the length of the Day, and Night, with the continuance of Twilight, answerable to every 6 Degr. of the Suns place, for the Latitude of 52 Degr. 17 min.

Suns



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Suns place.	M. Al.		D clin.		Len. D.		Le. N.		Twi-ligh	
	D. M.		D	M.	H.	M.	H	M	H.	M.
30	61	14	23	31	16	34	7	26	All day	
24	59	40	23	23	16	31	7	23	and	
18	58	6	22	58	16	28	7	32	no night	
12	56	32	22	18	6	16	7	44	but	
6	54	58	21	23	15	8	7	52	continual	
II	53	24	20	13	5	50	8	10	Twi-light.	
24	51	50	18	50	15	2	8	34	3	25
18	50	16	17	15	15	6	8	51	2	59
12	48	42	15	29	14	46	9	14	2	43
6	47	8	13	34	14	28	9	32	2	32
0	45	34	11	30	14	0	10	0	2	24
24	44	0	9	20	13	36	10	24	2	17
18	42	26	7	5	13	12	10	42	2	11
12	40	52	4	45	12	48	11	12	2	7
6	39	18	2	23	12	24	11	36	2	4
0	37	43	0	0	12	0	12	0	2	2
24	36	9	2	23	11	32	12	13	2	0
18	34	35	4	45	11	8	12	52	1	59
12	33	1	7	5	10	42	13	18	1	59
6	31	27	9	20	10	20	1	40	1	59
0	29	53	11	30	9	46	14	14	2	0
24	28	19	13	34	9	32	14	28	2	1
18	26	45	15	29	9	12	14	48	2	2
12	25	11	17	15	8	54	5	6	2	4
6	23	37	18	50	8	30	15	30	2	6
0	22	3	20	13	8	12	15	48	2	8
24	20	29	21	22	7	56	16	4	2	10
18	18	45	21	8	7	44	16	16	2	12
12	17	11	22	58	7	34	16	6	2	1
6	15	37	23	23	7	30	16	30	2	15
0	14	12	23	31	7	26	16	34	2	16

Having found the Sign and Degr. the Sun is in, in the following Al-  
 manack, find the same in the 1. or 2. Col. and right against the same  
 in the 3. Col. are the Degr. and min. of the Sun's Merid. Alt. in the  
 4. Declin. either North or South according to the Sign he is in;  
 in the 5. the length of the Day; in the 6. the length of the Night; in the  
 7. the continuance of Twi-light, morning and evening.

SWAN 1678.

The Vulgar Notes and Moveable Feasts  
in both Accounts. viz.

Julian or English		Gregorian or Foreign
7	Golden Number	7
7	Cycle of the Sun.	7
7	Epact.	7
7	Dominical Letter	7
February 10	Shrove-sunday	20 February
March 31	Easter day	10 April
May 5	Rogation sunday	15 May
May 9	Ascension day	19 May
May 19	Whitsunday	21 May
May 26	Trinity sunday	5 June
Decemb. 13	Advent sunday	Novemb. 27

Some things in the following Alm. explained.

The 29 day of January among the Aspects of the Planets you will find  $\text{D}$  Apogæon, that is, the Moon is then at her greatest distance from the earth: the 11 day you find  $\text{D}$  Perigæon, that is, the  $\text{D}$  is then nearest the earth: when you find  $\text{D}$  cum  $\text{Sg}$ , the meaning is, the Moon is then with the Dragons-Head; when  $\text{D}$  cum  $\text{Q}$ , the  $\text{D}$  is then with the Dragons-Tail, which are nothing else but the Intersections of the Moons Orb with the Ecliptick; when you find Stat. ad Direct it sheweth that Planet is Stationary to Direction; but if you find Stat. ad Ret. that Planet is Stationary, and becomes Retrograde: when you find any of the Planets Oriental, the meaning is, they are then morn. Stars; if Occidental, they are evening Stars: when you find  $\text{Q}$  elongitude Mix. à  $\odot$ , or elong. M. à  $\odot$ , the meaning is, Mercury is then at his greatest distance from the Sun: *a.* stands for ante, or beforenoon; *p.* for post, or afternoon; *n.* or *n.* for noon.

The

Swan 1678.

The Scarlet days in the University of Cambridge, are as followeth.

All Saints, Christmas, Easter, Ascension, Whitsunday, Trinity-sunday, Commencement, and the 29 of May; At the two Fairs proclaiming in June and September, The Feast of Saint Michael, and the 5 of November,

To Funerals, Cierums and Supplications,  
All Doctours go as to Congregations;  
That is in their Robes.

Marriage comes in on the 13 day of January, and at Septuagesima Sunday it is out again until Low Sunday, at which time it comes in again, & goes not out till Rogation-sunday: thence it is forbidden until Trinity-sunday: from whence it is unforbidden till Advent-sunday: but then it goes out, and comes not in again till the 13 day of January next following.

The Names, and Characters of the 12 Signs, with the parts of mans Body which they are said to govern.

♈ Aries head and Face	♎ Libra Reins & Loyns
♉ Taurus neck and Throat	♏ Scorpio Secret members.
♊ Gemini Arms & Shoul.	♐ Sagitarius the Thighs.
♋ Cancer Breast & Stom.	♑ Capricornus the Knees.
♌ Leo Heart and back	♒ Aquarius the Legs.
♍ Virgo Bowels and Belly	♓ Pisces the Feet.

Note that the Planet ♄ is our morning Star to the 19 of June, and after that our Even. Star till April 9, 1678.

# January hath xxxi days.

Last quarter 5 day, 50 min. past 11 at night.  
 New moon 12 day, 5 min. past 7 at night  
 First quarter 19 day, at 3 after noon  
 Full moon 27 day, at 5 in the morning

1	a	Circumcision	22	Virgo	08	43	56
2	b	Octab Steph.	23		128	33	57
3	c	Oct. Iohn	24		248	23	58
4	d	Oct. Innoc.	25	Libra	68	04	0
5	e	St Leon	26		197	594	1
6	f	Epiphany	27	Scorp.	17	584	2
7	g	Thad dith.	28		17	574	3
8	a	Lactan p	29		287	554	5
9	b	Sun in aqua	30	Sagit.	127	544	6
10	c	Paul Hermit	1		277	524	8
11	d	Pyg n	2	Capr.	127	514	9
12	e	enedict b	3		277	504	10
13	f	1 af. Epiph.	4	Aqu.	127	484	12
14	g	Fel x	5		287	474	13
15	a	Mauritius	6	Pices	137	464	14
16	b	Ca ce lus	7		277	454	15
17	c	Ant ny	8	A ies	17	444	16
18	d	Bricea	9		257	424	18
19	e	W st n	10	Taur.	87	404	20
20	f	2 af. Epiph.	11		217	384	22
21	g	gues	12	Gem.	37	364	24
22	a	Vincent	3		157	344	26
23	b	Term begins	14		277	324	28
24	c	Timothy b.	15	Ca c.	97	304	30
25	d	Conv. S. Paul	16		217	284	32
26	e	Polycarp.	17	Leo	37	264	34
27	f	Septuagesima	18		157	244	36
28	g	Carolus	19		277	224	38
29	a	Eldeas b.	20	V rg	97	204	40
30	b	K. Ch. marr.	21		217	184	42
31	c	Saturn	22	Libra	37	164	44

Sun-rising.

Sun-setting.

Our Sovereign Sol the Planets King,  
 In th' Southern parts hath lately been :  
 In slow motion he steal away,  
 And makes us a longer day:  
 And freezing cold will clean expell,  
 From those that in the north do dwell.

## January 1678.

Δ h ♀ 16 p.  
 ) cum ☉.

The moneth begins mild and temperate for some days, but afterwards high wind and cold storms until near the end of the moneth.

☿ Perigæon  
 Δ h ☉ 12 p.

Cambridge Term begins the 13 day.

) cum ☿  
 ☿ h ♀ 12 p.

February Roman account.

\* ♂ ♀ o.  
 h Star. ad Dir.  
 ☐ h ♀ 11 p.  
 ☐ h ♀ 5 p.  
 \* h ♀ 4 p.  
 Δ h ♂ 10 p.  
 ♀ Ma. dist. a ☉  
 ♀ Ma. dist. 1 ☉  
 ) Apogæon.

The 10 day the Moon will be with the 7 Stars they being upon Meridian  $\frac{3}{4}$  past 5 in the evening, the Moon being 2 deg. to west in long. and 4 deg. of latitude south.

# February hath xxviii days.

Last quarter 4 day, 55 min. past 3 afternoon  
 New moon 11 day, 44 min. past 5 in the morn.  
 First quarter 18 day, at 9 before noon  
 Full moon 26 day, 15 min. past noon

M.D.I.	W.D.I.	Festival days with terms.	Suns plac.	Moons place.	Sun rise	Sun set
1	I	Widget fast.	23	Libr. 16	7 14	4 46
2	II	Purification	24	28	7 12	4 48
3	III	Sexagesima	25	Scor 11	7 10	4 50
4	IV	Cronac m.	26	24	7 8	4 52
5	V	Agat. Ma.	27	Sagitt. 8	7 6	4 54
6	VI	Dorothea M.	28	21	7 4	4 56
7	VII	Rumwilt. A.	29	Capr. 6	7 2	4 58
8	VIII	Sun in Pisces	X	20	7 0	5 0
9	IX	Octob. Purif.	1	Aqua. 5	6 58	5 2
10	X	Quinquages.	2	21	6 56	5 4
11	XI	Euphrosina	3	Pisc 6	6 54	5 6
12	II	Termin' ends	4	21	6 52	5 8
13	III	Ash-wednesd.	5	Aries 6	6 50	5 10
14	IV	Valentine	6	20	6 48	5 12
15	V	Faustine	7	Taur. 3	6 46	5 14
16	VI	Holkeron	8	17	6 44	5 16
17	VII	1 Sun. in Lent	9	29	6 42	5 18
18	VIII	Simeon bish.	10	Gem. 12	6 40	5 20
19	IX	Sabine	11	24	6 38	5 22
20	X	Mildred bish.	12	Canc. 6	6 36	5 24
21	XI	Timbret	13	13	6 34	5 26
22	II	Cath. Peter	14	Leo 0	6 32	5 28
23	III	Herengs fast	15	12	6 30	5 30
24	IV	S. Mat. Ord.	16	23	6 28	5 32
25	V	Johannes	17	Virg. 6	6 26	5 34
26	VI	Attozin	18	18	6 24	5 36
27	VII	fo tanatus	19	Libr. 0	6 22	5 38
28	VIII	Olwald bish.	20	13	6 20	5 40

Now February various as the wind,  
 Doth well begin, at last she proves unkind,  
 With cold storms and wind thats high,  
 That makes us think the springs not nigh:  
 But quickly Sol will moderatour be,  
 And from these storms he'll set us free.

Sun  
 set

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Planets  
 aspects.

♂ Sta. ad Ret.

♂ ♀

♂ ♀ 15 p.

♂ Perigzon

♂ ♀ 11 p.

♂ ☉ ♀ 2 p.

♂ ♀

♂ ♀ ☉ 13 p.

\* ♀ ♀ 12 p.

♂ Apogzon

♂ ♀ 3 p.

♂ Sta. ad Dir.

Inclinations of the air.

February 1678.

At the beginning of the moneth  
 clear and frosty mornings, soon af-  
 ter cold rain or snow: about the  
 20 day the weather is more favour-  
 able, but the moneth ends with  
 high winds.

Commencement for Batchelours  
 in Arts the 14 day.

March Roman account.

The 17 day at 20 min. past 7 in  
 the evening ♄ will be full south:  
 about the same time the Moon will  
 be in Conjunction with him, and  
 may be seen on the west side of him  
 at the evening.

# March hath xxxi days.

Last quarter 6 day, 53 min. past 1 morning  
 New moon 12 day, 54, m. past 5 at night  
 First quarter 20 day, at 4 in the morning  
 Full moon 28 day, at 4 in the morning

1	D	David bish.	21	Libr.	25	6	18	5	42
2	E	Chad. bish.	22	Scor.	8	6	16	5	44
3	F	3 Sun. in lent.	23		21	6	14	5	46
4	G	Adrian	24	Sagit.	4	6	12	5	48
5	A	Eusebius m.	25		18	6	10	5	50
6	B	Frederick	26	Capr.	1	6	8	5	52
7	C	Perpetua	27		16	6	6	5	54
8	D	Mauritan	28	Aqua.	0	6	4	5	56
9	E	40 Martirs	29		15	6	2	5	58
10	F	Midlent sund.	Y		29	6	0	6	0
11	G	Combert	1	Pisc	14	5	58	6	2
12	A	Gregory B.	2		29	5	56	6	4
13	B	Ernestus	3	Aries	14	5	54	6	6
14	C	Canon M.	4		28	5	52	6	8
15	D	Longine	5	Taur.	11	5	50	6	10
16	E	Epiph	6		25	5	48	6	12
17	F	5 Sun. in lent.	7	Gem.	8	5	46	6	14
18	G	Edward	8		20	5	44	6	16
19	A	Joseph Con.	9	Canc.	2	5	42	6	18
20	B	Rupert.	10		14	5	40	6	20
21	C	Benedict	11		26	5	38	6	22
22	D	Approdingus	12	Leo	8	5	36	6	24
23	E	Theodore	13		20	5	34	6	26
24	F	Palm. funday	14	Virgo	2	5	32	6	28
25	G	Lady day	15		14	5	30	6	30
26	A	Castulus	16		26	5	28	6	32
27	B	Martian	17	Libra	9	5	26	6	34
28	C	Dorothee pfr.	18		22	5	24	6	36
29	D	Eustace	19	Scorp.	5	5	22	6	38
30	E	Patron bish.	20		18	5	20	6	40
31	F	Easter day	21	Sagit.	1	5	18	6	42

Sun-rising.

Sun-setting.



Now Saturn and Mars in Square do lie,  
 And so doth Saturn with Mercury:  
 Mercury and Mars at last are got together,  
 A long time this moneth I fear bad weather,  
 But Jupiter at last steps in,  
 I hope that then he will better bring.

## March 1678.

D ♀

It is very probable that the weather at the beginning and for many days will be churlish with high wind and storms, but towards the latter end more favourable.

D Perigæon

☿ ♀ 8 M.

♀ elong. a ☉

\* ♀ ♀ 7 M.

The 11 day the Moon and Jupiter set near together, but not to be seen.

☿ ♀ 10 M.

\* ♀ ♀ 11 M

D ♀

The latter Act the 14 day.

♀ St. ad Retr.

♂ ♂ ♀ 9 M.

D Apogæon

♂ ♀ 7 M.

Cambridge Term ends the 22 day.  
 April Roman account.

The 16 day at 9 in the evening, Aldebaran the Bulls eye, a Star of the first magnitude will be seen to set with the Moon being on the east side of her in long. about 4 deg. and 5 degr lat. south.

D ♀

# April hath xxx days.

Last quarter 4 day, 6 min. past 8 in the morn.

New moon 11 day, at 3 in the morning

First quarter 18 day, 58 min. past 7 at night

Full moon 26 day, at 3 in the morning.

1	G	Conb. M.	21	Sagit	15	15	16	6	44
2	a	Francis C.	22		28	5	14	6	46
3	b	Richard bish.	23	Capr.	12	5	12	6	48
4	c	Ambrose bi.	24		26	5	10	6	50
5	d	Vincent	25	Aqu.	10	5	8	6	52
6	e	Sixtus	26		25	5	6	6	54
7	f	Low Sunday	27	Pisc.	9	5	4	6	56
8	g	Daseanus	28		23	5	2	6	58
9	a	Frithstan	29	Aries	8	5	0	7	0
10	b	Sun in Taur.	30		22	4	58	7	2
11	c	Leo Pope	1	Taur.	6	4	56	7	4
12	d	Julius	2		19	4	54	7	6
13	e	Hermingild	3	Gem.	3	4	52	7	8
14	f	2 sun. af. East.	4		16	4	50	7	10
15	g	Quind. Pasch.	5		28	4	48	7	12
16	a	Ado: e	6	Can.	10	4	47	7	14
17	b	Term begins	7		22	4	45	7	15
18	c	Oswin M.	8	Leo	4	4	43	7	17
19	d	Alphege. M.	9		16	4	41	7	19
20	e	Sulphittus	10		28	4	39	7	21
21	f	3 sun. af. East.	11	Virgo	10	4	37	7	23
22	g	Tres Pasch.	12		22	4	35	7	25
23	a	S. George	13	Libra	4	4	33	7	27
24	b	Meletus	14		17	4	31	7	28
25	c	S. Mark Evan.	15	Scor.	0	4	30	7	30
26	d	Cletus bish.	16		13	4	28	7	32
27	e	Anastatius	17		27	4	27	7	33
28	f	4 sun. af. East.	18	Sagit.	11	4	25	7	35
29	g	Mens. Pasch.	19		25	4	23	7	37
30	a	Katherine	20	Capr.	9	4	22	7	38

Sun-  
rising.

Sun-  
setting.

Now Saturn in Sextile with Mercury joyn'd,  
 The moneth begins with wet and cold wind;  
 But Venus joyn'd with Mercury,  
 The showers come more pleasantly:  
 The flowers and buds do now appear,  
 You may be sure the spring is near.

## April 1678.

The beginning of the moneth  
 we may have some rain with wind  
 and often times after fine showers,  
 welcome weather for the Spring.

*Cambridge Term beg. the 10 day.*

The 12 day the brightest of the  
 7 Stars will be with the Moon an  
 hour and an half after the Sun set.

*May Roman account.*

The 24 day at 11 and 21 min.  
 The Virgins Spick will be dew  
 south the Moon being all the even-  
 ing on the west side of it, within 1  
 de. at 5 in the even. their differ. in  
 Latitude being 36 min. the Moon  
 being southward.

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 15 ♀ Perigæon  
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 19 ♂ ♀ 10 p.  
 20 ♀ Eclipsed  
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 23 ♀ ♀ 4 p.  
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 29 ♀ Apogæon  
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 6 ♀ Eclipsed  
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 8 \* ♀ 7 p.  
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# May hath xxxi days.

Last quarter 3 day, a 2 afternoon  
 New Moon 10 day, 54 min. past 2 afternoon  
 First quarter 18 day, at 3 afternoon  
 Full moon 26 day, 50 min. past 3 morning

1	h	Phil. & Jacob.	20	Capr.	23	4	21	7	39
2	c	Athanasius	21	Aqua.	7	4	20	7	40
3	d	Inven. cruc.	22		21	4	18	7	41
4	e	Monica	23	Pisc.	5	4	17	7	42
5	f	Rogation-su.	24		19	4	16	7	44
6	g	Quinq; Pasch.	25	Aries	3	4	15	7	45
7	a	John of Bev.	26		17	4	13	7	47
8	b	Appar. Mic.	27	Taur.	1	4	12	7	48
9	c	Holy-Thurs.	28		14	4	11	7	49
10	d	Craft. ascen.	29		28	4	9	7	51
11	e	Sun in Gem.	II	Gem.	11	4	8	7	52
12	f	San. af. ascen.	I		23	4	6	7	53
13	g	Term ends	1	Leo	1	4	5	7	55
14	a	Fortunatus	2		18	4	3	7	56
15	b	Sophia	3	Can.	0	4	2	7	58
16	c	Per grine	4		12	4	1	7	59
17	d	Iodocus	5		24	3	59	8	1
18	e	Wesal. bish.	6	Virgo	6	3	58	8	2
19	f	Whituesday	7		18	3	57	8	3
20	g	Baudelus	8	Libra	0	3	56	8	4
21	a	Timothy	9		12	3	55	8	5
22	b	Ember week	10		25	3	54	8	6
23	c	Desiderius	11	Scorp.	8	3	53	8	7
24	d	Brandinus	12		21	3	52	8	8
25	e	Urban	13	Sagit.	5	3	51	8	9
26	f	Ordination	14		20	3	50	8	10
27	g	Craft Trin.	15	Capr.	4	3	49	8	11
28	a	Jonas Ab.	16		19	3	48	8	12
29	b	E.C. II. Nat.	17	Aqua.	3	3	47	8	13
30	c	Corp. Christ.	18		18	3	46	8	14
31	d	Term begins	19	Pisc.	2	3	46	8	14

Sun-rising.

Sun-setting.

Not many days do pass but we shall find  
 Mercury and Saturn are together joyn'd:  
 What they produce is easily understood,  
 They seldom bring that we call good.  
 Saturn and Sol at last are got together,  
 Some few days pass and then good weather.

## May 1678.

This moneth begins with wind  
 and rain, about the middle some-  
 thing milder, but Mercury brings  
 often wind, and Saturn with the sun  
 towards the end may procure hail  
 or rain ends with good weather.

Virgins Spick south at 9 at night.

The 7 Stars set 40 m. before the ☉

June Roman account.

Virgins Spick set 12 min. past  
 1 in the morn. Scorpion heart at 11  
 at night south.

B

♀ S. ad Dir.

♂ Perigzon.

♂ ♀ 13 P.

\* ♀ ☉ 19 P.

♂ ☉ ♀ 20 P.

♂ ☉

\* ♀ ☉ 15 p.

\* ♀ ☉ 5 p.

☉ ♀ 19 p.

♂ Apogzon.

♀ elong. a ☉

♂ ☉

♂ ♀ ☉ 16 p.

♂ Perigzon.

# June hath xxx days.

Last quarter the 1 day, at 7 at night  
 N. w moon the 9 day 7 min. past 3 morning  
 First quarter 17 day, 40 min. past 6 morning  
 Full moon the 24 day, at 11 before noon.

1	E	Damphilus	20	Pisces	16	3	46		5
2	F	1 Sun. aft. Trin	21	Aries	0	3	45	Sun. rising.	15
3	G	Erasmus	22		14	3	45		15
4	A	Odab. Trin.	23		27	3	45		15
5	B	Boniface m.	24	Taur.	11	3	44		16
6	C	Robert	25		24	3	44		16
7	D	Paul with.	26	Gem.	7	3	44		16
8	E	Edward	27		19	3	43		17
9	F	2 aft. Trin.	28	Canc.	2	3	43		17
10	G	Blandine	29		14	3	43		17
11	A	S. Barnabas	30		26	3	43		17
12	B	Anthony	1	Leo	8	3	43		17
13	C	Corpus Chri.	2		20	3	43		17
14	D	Ba l mag.	3	Virgo	2	3	42		17
15	E	Crescentia	4		14	3	43		17
16	F	3 aft. Trin.	5		26	3	44		16
17	G	Botolph ab.	6	Libra	8	3	44		16
18	A	Tres Trin.	7		20	3	44		16
19	B	Term ends	8	Scorp.	3	3	45		15
20	C	Edward K.	9		16	3	45		15
21	D	Walburg vir.	9		29	3	45		15
22	E	Wiban mar.	10	Saglt.	13	3	46		14
23	F	4 aft. Trin.	11		28	3	46		14
24	G	S. John Bapt.	12	Capr.	13	3	46		14
25	A	Amph. vital.	13		28	3	47		13
26	B	L y bish.	14	Aquar.	13	3	47		13
27	C	Crescens	15		28	3	48		12
28	D	Leo pope fast	16	Pisc.	12	3	49		11
29	E	S. Peter Apo.	17		27	3	50		10
30	F	5 aft. Trin.	18	Aries	11	3	51		9

In Sextile Mercury and Mars are got,  
 Some thunder storms and gleams, the hot;  
 Jupiter doth after bring good weather,  
 When Sol and he in square are got together.  
 Now the fields begin their beaury show,  
 And the husband man's in hopes to mowe.

June 1678.

At the beginning of the moneth  
 we probably have storms and thun-  
 der in some places, but after wards  
 fine weather to the moneths end,

The 15 day at 10 min. past midn.  
 Virgins Spick lets.

The Serpents ( rowne south the  
 same even. at 30 min. past 9.

July Roman account.

Virgins Spick south the 26 day at  
 47 min. past 7 in the evening.

# July hath xxxi days.

Last quart. 1 day 20 min. past 1 morning  
 New moon 8 day 56 min. past 5 at night  
 First quarter 16 day at 8 at night  
 Full moon the 23 day 25 min. past 6 at night  
 Last quarter 30 day, 30 min. past 10 morning.

1	G	Theobald	20	Aries 24	3	53	18	7
2	a	Visit. Mary	21	Taur. 8	3	54	8	6
3	b	Cornelius	22	21	3	55	8	5
4	c	Martine	23	Gem. 3	3	56	8	4
5	d	Anselme	24	16	3	57	8	3
6	e	Hector	24	28	3	58	8	2
7	f	6 after Trin.	25	Canc. 11	3	59	8	1
8	G	Grumbald	26	23	4	0	8	0
9	a	Cyrl bish.	27	Leo 5	4	17		59
10	b	7 Bethzen	28	17	4	27		57
11	c	Plus mart.	28	29	4	47		56
12	d	Henry	29	Virg. 11	4	57		55
13	e	Sun in Leo	Ω	23	4	77		53
14	f	7 aft. Trin.	1	Libra 5	4	87		52
15	G	Swithin B.	2	17	4	107		50
16	a	Osmond B.	3	29	4	117		49
17	b	Blerius	4	Scorp. 11	4	137		47
18	c	Reina	5	24	4	157		45
19	d	Dog days beg.	6	Sagit. 8	4	177		43
20	e	Margaret m.	7	22	4	197		41
21	f	8 aft. Trin.	8	Capr. 6	4	217		39
22	G	Mary Mag.	9	21	4	227		38
23	a	Apollinaris	10	Aqua. 6	4	247		36
24	b	Christian fa.	11	21	4	267		34
25	c	S. Jam. Apo.	12	Pisc. 7	4	277		33
26	d	Inns	13	22	4	297		31
27	e	Martha m.	14	Aries 6	4	307		30
28	f	9 aft. Trin.	15	20	4	327		28
29	G	Beatrice	16	Taur. 4	4	337		27
30	a	Edon m.	17	17	4	357		25
31	b	German	18	Gem. 0	4	377		23

Sun-  
rising.  
Sun-  
setting.



The Sun in progress now returning back,  
 In raging heat he mounts the Lions heart :  
 And lets fall his beams to those that lack,  
 Which if we want we soon shall smart.  
 The grain of th' earth which of late did bloom.  
 Now changing is and ripe full soon.

July 1678.

The 2 day is Commencement  
 Tuesday.

The weather this moneth is for  
 the most part kind to the husband-  
 man, unless Saturn and Mars to-  
 wards the latter end prove boi-  
 strous.

Cambridge term ends the 5 day.

Arcturus sets 20 min past midn.

Vulture South 15 m in. past 10 at  
 night.

August Roman account.

Arcturus sets 46 m. aft. mid night

B 3

Sun-setting.

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 6 12 )  
 5 13 )  
 4 14 ☐ ♀ 17 p.  
 3 15 )  
 2 16 )  
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 0 18 )  
 59 19 ) Apogzon.  
 57 20 ♀ elong a ☉  
 56 21 )  
 55 22 )  
 53 23 )  
 52 24 ♀ Stat. ad R.  
 50 25 )  
 49 26 )  
 47 27 ♂ h ♀ 4 p.  
 45 28 ) cum ♀.  
 43 29 )  
 41 30 )  
 39 31 )  
 38 1 )  
 36 2 ) Perigzon  
 34 3 )  
 33 4 )  
 31 5 Δ ♀ 5 p.  
 30 6 )  
 28 7 ☐ ♀ 4 p.  
 27 8 )  
 25 9 D cum ♀.  
 23 10 ♂ h ♂ 5 p.

# August hath xxxi days.

New moon 7 day, 46 min. past 8 morning  
 First quarter 15 day, at 9 in the morn.  
 Full moon 22 day, at 52 min. past midnight.  
 Last quarter 28 day, 34 past 9 at night.

1	c	Lammas	19	Gem.	34	39	7	21
2	d	Stephen M.	20		254	41	7	19
3	e	Inv. Steph.	21	Can.	84	43	7	17
4	f	10 aft. Trin.	22		204	44	7	16
5	g	Oswald	23	Leo	24	46	7	14
6	a	Trans. Christ	24		144	48	7	12
7	b	Donat M.	25		64	49	7	11
8	c	Cyriack	26	Virgo	84	51	7	9
9	d	Roman M.	27		204	53	7	7
10	e	S. Aswren.	27	Libr.	24	55	7	5
11	f	11 aft Trin.	28		144	57	7	3
12	g	Clare	29		264	59	7	1
13	a	Sun in Virgo	my	Scorp.	85	0	7	0
14	b	Eusebius	1		215	2	6	58
15	c	Thump of M	2	Sagit	35	4	6	56
16	d	Roch M.	3		175	6	6	54
17	e	Memmes	4	Capr.	05	8	6	52
18	f	12 aft. Trin.	5		155	10	6	50
19	g	Schaldris	6		295	12	6	48
20	a	Bernard	7	Aqua.	145	14	6	46
21	b	Richard bish.	8	Pisc.	05	16	6	44
22	c	Timothy	9		155	17	6	43
23	d	Sachens fast	10	Aries	05	19	6	41
24	e	S. Barthe.	11		155	21	6	39
25	f	13 aft. Trin.	12		295	23	6	37
26	g	Frencris	13	Taur	135	25	6	35
27	a	Dog days end	14		275	27	6	33
28	b	Augustine b.	15	Gem.	105	29	6	31
29	c	Decol. J. Bap.	16		225	30	6	30
30	d	Fe ix	17	Leo	55	32	6	28
31	e	Adrian bish.	18		175	34	6	26

Now Mercury in hast hath nimbly run,  
 To hide himself with his soveraign Sun,  
 In the midst Mars and Jupiter make a square,  
 With a thundering noise proclaiming war:  
 Good husbands hast and get in your grain,  
 For time lost cannot be called again.

## August 1678.

This moneth begins indifferent-  
 ly well: about the midst we may  
 have some thunder with storms, to-  
 wards the end we have good weat.

Seven stars rise 10 min. before 9  
 at night.

And they are south at 5 mornin.  
 The Mayor of Cambridge elect-  
 ed the 16 day.

## September Roman account.

Seven Starrs rise 10 min. past 8  
 at night.

South 12 m. after 4 in the morn-  
 ing.

# September hath xxx days.

New moon 5 day, 15 min. past 11 at night  
 First quarter 13 day, 56 min. past 6 at night  
 Full moon 20 day, 30 min. past 9 before noon  
 Last quarter 27 day, at 1 afternoon.

1	<b>F</b>	14 aft. Trin.	19	Canc.	29	5	36	6	24
2	<b>G</b>	Arconica	20	Leo	11	5	38	6	12
3	<b>a</b>	Scrapia	21		23	5	40	6	20
4	<b>b</b>	Theodorus	22	Virgo	5	5	42	6	18
5	<b>c</b>	Bersme	22		16	5	44	6	16
6	<b>d</b>	Magnus	23		28	5	46	6	14
7	<b>e</b>	Dunstan	24	Libr.	11	5	48	6	12
8	<b>f</b>	15 aft. Trin.	25		23	5	50	6	10
9	<b>G</b>	Borzon	26	Scorp.	5	5	52	6	8
10	<b>a</b>	Situlus	27		18	5	54	6	6
11	<b>b</b>	Mart'ce	28	Sagitt.	0	5	56	6	4
12	<b>c</b>	Martinian	29		13	5	58	6	2
13	<b>d</b>	Sun in Libra	30		6	6	0	6	0
14	<b>e</b>	Exalt. cruc.	1	Capr.	10	6	2	5	58
15	<b>f</b>	16 after Trin.	2		24	6	4	5	56
16	<b>G</b>	Euphemia	3	Aqu.	8	6	6	5	54
17	<b>a</b>	Socrates	4		23	6	8	5	52
18	<b>b</b>	Ember week	5	P.sc.	8	6	11	5	49
19	<b>c</b>	Methodius	6		23	6	13	5	47
20	<b>d</b>	Facit's fast	7	Aries	8	6	15	5	45
21	<b>e</b>	S. Matthew	8		23	6	17	5	43
22	<b>f</b>	Ordination	9	Taur.	8	6	20	5	40
23	<b>G</b>	Edras	10		22	6	22	5	38
24	<b>a</b>	Samuel	11	Gem.	5	6	24	5	36
25	<b>b</b>	Cleophas	12		18	6	26	5	34
26	<b>c</b>	Egyptian	13	Leo	11	6	28	5	32
27	<b>d</b>	Cor. & Di.	14		13	6	30	5	30
28	<b>e</b>	Wenceslaus	15		25	6	32	5	28
29	<b>f</b>	S. Michael	16	Canc.	7	6	34	5	26
30	<b>G</b>	S. Hierom	17		19	6	36	5	24

Now are the fruits of the earth brought home,  
 And Sol into his equal balance come.  
 Giving to us and all his equal light,  
 Teaching us from thence to do to all men right:  
 Which will at last to us such profit bring.  
 That to our God we shall in glory sing.

## September 1678.

This moneth for the most part  
 affords good weather untill the la-  
 ter end, and then wind and wet.

Sturbridge Fair begins 8 day.

Seven stars rise at 7 at night, South  
 15 min. past 3 in the morning.

## October Roman account.

Seven stars rise 6 min. past 6 at  
 night.  
 South 20 min. past 2 in the morn-  
 ing.

Sun-fetters

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22	112 ☐ ♂ ♀ 11 p.
20	113 ☐ ♀ pogxon.
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14	116 ☐ ○ ♀ 11 p.
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10	118
8	119 ) cum ♀.
6	120 * ♀ 5 M.
4	121 Δ ♀ 15 p.
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52	127 D Perigxon
49	128 ♀ elong. 2 ○
47	129
45	130
43	131 1
40	132 2 ) cum ♀.
38	133 3
36	134 4
34	135 5
32	136 6
30	137 7 Δ ♀ ♂ 13 p.
28	138 8 Stat. ad Ret.
26	139 9
24	140 10

October hath xxxi days.

New moon the 5 day. at 7 at night

First quarter the 13 day, 6 min. before 3 in the morn.

Full moon the 19 day, 17 min. before 12 at night

Last quarter the 27 day, 29 min. before 7 morning

1	a	Remigius	18	Virg. 1	6	39	5	31
2	b	Leodegar	19	13	6	41	5	19
3	c	Candidus	20	25	6	43	5	17
4	d	Francis	21	Libra 7	6	45	5	15
5	e	Constance	22	19	6	47	5	13
6	f	19 aft. Trin.	23	Scorp. 2	6	49	5	11
7	g	Marcellus	24	14	6	50	5	10
8	a	Helagia	25	27	6	52	5	8
9	b	Dionysius	26	Sagit. 10	6	54	5	6
10	c	Gregon	27	23	6	56	5	4
11	d	Necanus	28	Capr. 7	6	58	5	3
12	e	Wils. rde	29	21	7	0	5	0
13	f	Sun in Scorp.	m	Aqu. 4	7	2	4	18
14	g	Calixtus	1	19	7	4	4	16
15	a	Hedgewide	2	Pisc. 3	7	6	4	14
16	b	Gallus	3	18	7	8	4	13
17	c	Florentine	4	Aries 2	7	10	4	11
18	d	S. Luke Evan.	5	17	7	12	4	10
19	e	Potolome	6	Taur. 1	7	14	4	9
20	f	21 aft. Trin.	7	16	7	15	4	8
21	g	Ursula	8	Gem. 0	7	17	4	7
22	a	Corbula m.	9	13	7	19	4	6
23	b	Term begins	10	26	7	20	4	5
24	c	Salome	11	Canc. 9	7	22	4	4
25	d	Crispine	12	21	7	24	4	3
26	e	Amandus	13	Leo 4	7	25	4	2
27	f	22 af. Trin.	14	16	7	27	4	1
28	g	Sim. & Jude	15	27	7	29	4	0
29	a	Edmund b.	16	Virg. 9	7	30	4	0
30	b	Germin b.	17	21	7	32	4	0
31	c	Quintin fast	18	Libr. 3	7	33		0

Sun. rising.

Sun. setting.

How now the scene changed, me thinks I see  
 Saturn too well agree with Venus and Mercury :  
 I fear this moneth we shall often find  
 Cold and cloudy weather sometimes high wind  
 Which may well bring us all into that mind,  
 To fear that winter will prove unkind,

## October 1678.

This month is likely to have  
 more rain then ordinary, and som-  
 times high winds.

Cambridge Term begins the 10  
 day, and then the Proctors, Tax-  
 ours and Scrutators are chosen.

November Roman account.  
 Magna Congregatio the 26 day  
 or the black Assembly.

The bright star called the bulls  
 eye : a star of the first magnitude,  
 will be south at 11 min past 10 in  
 the even. the 22 day: the Moon be-  
 ing but a little westward all the  
 evenin. The star being south of the  
 moon about 2 degrees.

e morn.  
 ight  
 rning

Sun-  
 setting

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11 D Apogzon  
 12 St. ad Retr.  
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 14  $\square$  h  $\square$  12 p.  
 15  $\odot$  Eclipsed.  
 16  $\odot$   $\times$   $\square$  3 M.  
 17 cum  $\odot$ .  
 18  
 19  
 20  $\odot$   $\square$  7 M.  
 21  $\odot$   $\odot$  19 p.  
 22  
 23  
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 25  
 26 D Perigzon.  
 27  $\triangle$  h  $\square$  4 p.  
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 29 eclipsed  
 30  $\odot$   $\odot$  10 p.  
 31  
 1 St. ad Dir.  
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 8  $\triangle$  h  $\square$  10 M.  
 9 D Apogzon.  
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# November hath xxx days.

New moon the 4 day. 18 min. before 9 morn.

First quarter the 11 day, 50 min. before noon

Full moon the 18 day, at 9 in the morn.

Last quarter 26 day, 19 min. before 6 in the morning

1	D	All Saints	19	Libr.	15	7	35	4	25
2	E	All Souls	20		28	7	37	4	23
3	F	23 aft. Trin.	21	Scor.	10	7	39	4	21
4	G	Monstinus	22		23	7	41	4	19
5	a	Powder Plot.	23	Sagit.	6	7	43	4	17
6	b	Leonard	24		20	7	45	4	15
7	c	Wilhelm	25	Capr.	4	7	47	4	13
8	d	Claudius	26		17	7	49	4	11
9	e	Theodorus	27	Aqu.	1	7	51	4	9
10	f	24 aft. Trin.	28		15	7	52	4	8
11	g	Martin bish.	29		29	7	54	4	6
12	a	Sun in Sagit.	7	Pisc.	14	7	55	4	5
13	b	Eugenius	1		28	7	57	4	3
14	c	Frederick	2	Aries	12	7	58	4	2
15	d	Leopold	3		26	7	59	4	1
16	e	Edmond bish.	4	Taur.	10	8	0	4	0
17	f	25 aft. Trin.	5		24	8	1	3	59
18	g	Dedicat. chl.	6	Gem.	8	8	2	3	58
19	a	Octab. Mart.	7		21	8	3	3	57
20	b	Edmund R.	8	Canc.	4	8	4	3	56
21	c	Oblat. Mary	9		17	8	5	3	55
22	d	Cicely Virg.	10		29	8	6	3	54
23	e	Clem. Mart.	11	Leo	12	8	7	3	53
24	f	26 aft. Trin.	12		24	8	8	3	52
25	g	Katherine	13	Virg.	5	8	9	3	51
26	a	Quind. Mart.	14		17	8	10	3	50
27	b	Our virgin	15		29	8	11	3	49
28	c	Term ends	16	Libr.	11	8	12	3	48
29	d	Saturn fast	17		23	8	12	3	48
30	e	Andrew ap.	19	Scorp.	6	8	13	3	47

Sun-setting.

Sun-rising.



This moneth begins as though the stars  
 As quiet were, and ceased from wars;  
 But yet they will their changing nature hold,  
 With storms in th' midst usher in the cold  
 But then at last they will more milder be,  
 That we their sovereign Sol may easily see.

## November 1678.

The Vice-chancellour lays down  
 his office the 3 day.

The weather is favourable until  
 the midst of the moneth, but then  
 high wind and storms: at the latter  
 end better weather.

Seven stars south, 20 min. past 9  
 at night, set 40 min. past 5 in the  
 morning.

## December Roman account:

The 20 day at 2 and 3 min. in  
 the morning Syrvs the greater Dog  
 will be south, and at 1 the same  
 morning the moon will be south.  
 But their difference in Latitude is  
 35 degrees the star being south.

Orning

Sun-Settin

25 11  
 23 12  
 21 13  
 19 14  
 17 15  
 15 16  
 13 17  
 11 18  
 9 19  
 8 20  
 6 21  
 5 22  
 3 23  
 2 24  
 1 25  
 0 26  
 59 27  
 58 28  
 57 29  
 56 30  
 55 1  
 54 2  
 53 3  
 52 4  
 51 5  
 50 6  
 49 7  
 48 8  
 47 9  
 46 10

☾ cum ☿.

☉ Eclipsed.

☿ ☽ ☉ 14 p.

☿ Stat. ad Di.

☾ Perigæon.

☿ ☽ ☉ 11 p.

☿ ☽ ☉ 16 p.

☾ cum ☿

☿ ☽ ☉ 11 p.

☾ Apogæon.

☾ cum ☿

# December hath xxxi days.

New moon the 4 day, 30 min. before 1 the morning

First quarter the 10 day, 10 min. past 7 at night

Full moon the 18 day, 15 min. before 1 morning

Last quarter the 26 day, 30 min. past 3 in the morning

1	f	Advent-sund.	19	Scor.	18	8	14	3	44
2	g	Cand' da	20	Sagit.	2	8	14	3	44
3	a	Lucius B.	21		15	8	15	3	45
4	h	Barbara vir.	22		29	8	15	3	45
5	c	Sabina B.	23	Capr.	12	8	15	3	45
6	d	Nicholas b.	24		27	8	16	3	44
7	e	Ambrose C.	25	Aqua.	12	8	16	3	44
8	f	2 in Advent	26		26	8	16	3	44
9	g	Joachim	27	Pisc.	10	8	17	3	43
10	a	Melchias	28		25	8	17	3	43
11	h	Sun in Capr.	29	Aries	9	8	17	3	43
12	c	Damas. C.	1		23	8	17	3	43
13	e	Lucy B.	2	Taur.	6	8	17	3	43
14	g	Nicholas	3		20	8	17	3	43
15	f	3 in Advent	4	Gem.	3	8	17	3	43
16	g	O Sapiencia	5		16	8	16	3	44
17	a	Lazarus	6	Canc.	0	8	16	3	44
18	h	Ember week	7		12	8	15	3	44
19	c	Sebastian	8		25	8	15	3	45
20	d	Demetrius fa.	9	Leo	7	8	15	3	45
21	e	S. Thomas	10		20	8	14	3	45
22	f	Ordination.	11	Virgo	2	8	14	3	46
23	g	Alco	12		13	8	13	3	46
24	a	Ad. & Ev. fast	13		25	8	12	3	47
25	h	Christs birth	1	Libr.	7	8	11	3	48
26	c	S. Stephen	15		19	8	10	3	49
27	d	S. John	16	Scorp.	1	8	9	3	50
28	e	Innocents	17		14	8	8	3	51
29	f	Crispens	18		26	8	7	3	52
30	g	David	19	Sagit	9	8	6	3	53
31	a	Silvest. p.	20		23	8	6	3	54

Sun-ri-  
ng.

Sun-  
set-  
ting.

Thus is the year brought to an end,  
 See O man how thy time doth spend :  
 Year after year, day follows day,  
 Thou breathes a while then swept away.  
 The longest time mans age can vie.  
 How short ; compared with Eternity.

## December. 1678.

The moneth begins with cold  
 stormy winds, about the middle  
 clear and frosty, the moneth ends  
 with good weather.

Seven stars South 22 min. past 9  
 at night, set 38 min. past 5 in the  
 morning.

Cambridge Term ends the 16 day.

The 17 day 38 min. past 12 at  
 night the star called Castor Apollo,  
 will be south, having 10 deg. Lati-  
 tude north.

January Roman account

The moon west all the evening.

The 29 day 7 stars South, 9 min.  
 past 8 at night. Set 24 min. past 4  
 in the morning.

3 46 11  
 46 12  $\Delta \odot \delta$  8 M.  
 46 13  $\delta h \varnothing$  15 p.  
 46 14 \*  $h \delta \circ$   
 46 15  
 46 16  $\square \varnothing \odot$  8 p.  
 46 17  $\delta \odot \varnothing$  5 p.  
 46 18  
 46 19  $\perp$  Perigzon.  
 46 20  
 46 21  $\delta$  St. ad Ret.  
 46 22  $\delta h \varnothing$   
 46 23  $\Delta \delta \varnothing$  7 M.  
 46 24  $\perp$  cum  $\varnothing$ .  
 46 25  
 46 26  
 46 27  $\square \varnothing \varnothing$  11 M.  
 46 28  
 46 29  
 46 30  
 46 31  
 46 1  
 46 2  
 46 3  $\perp$  Apogzon.  
 46 4  
 46 5 \*  $\varnothing \varnothing$  16 p.  
 46 6 cum  $\Omega$ .  
 46 7  
 46 8  
 46 9 \*  $h \delta \circ$   
 46 10

Swan. 1678.

A plain and easie Table shewing the true Interest due upon any sum of money from five shillings to an hundred pounds, for a year or under, after the rate of six pounds in the hundred.

	1 Mon.	3 Mon.	6 Mon.	9 Mon.	A year.
	lb. p. q.	lb. p. q.	lb. p. q.	lb. p. q.	lb. p. q.
1 shill.	0 0 1	0 0 3	0 1 3	0 1 2	0 3 2
10	0 0 2	0 1 3	0 3 2	0 5 0	0 7 0
15	0 0 3	0 2 2	0 5 1	0 8 2	0 10 2
1	0 1 0	0 3 2	0 7 0	0 10 2	1 2 1
2	0 2 1	0 7 0	1 2 1	1 9 1	2 4 2
3	0 3 2	0 10 2	1 9 1	2 7 3	3 6 3
4	0 4 3	1 2 1	3 4 2	3 6 3	4 9 0
5	0 6 0	1 6 0	3 0 0	4 6 0	5 0 0
6	0 7 0	1 9 2	3 7 0	5 4 2	7 2 1
7	0 8 1	2 1 0	4 2 1	6 3 1	8 4 2
8	0 9 2	2 4 2	4 9 1	7 3 1	9 6 3
9	0 10 3	2 8 1	5 4 2	8 0 3	10 9 0
	ps. lb. p.	ps. lb. p.	ps. lb. p.	ps. lb. p.	ps. lb. p.
10	0 1 0	0 3 0	0 6 0	0 9 0	0 12 0
20	0 2 0	0 6 0	0 12 0	0 18 0	1 4 0
30	0 3 0	0 9 0	0 18 0	1 7 0	1 16 0
40	0 4 0	0 12 0	1 4 0	1 16 6	2 8 0
50	0 5 0	0 15 0	1 10 0	2 5 0	3 0 0
60	0 6 0	0 18 0	1 16 0	2 14 0	3 12 0
70	0 7 0	1 1 0	2 2 0	3 3 0	4 4 0
80	0 8 0	1 4 0	2 8 0	3 12 0	4 16 0
90	0 9 0	1 7 0	2 14 0	4 1 0	5 8 0
100	0 10 0	1 10 0	3 0 0	4 10 0	6 0 0

Find the principal in the first Column, & in the other you have the interest due for one, three, six, nine, or twelve months.

Swan

S W A N

The second part of this  
A L M A N A C K  
for the year of our  
L O R D G O D  
1678.

Wherein is contained a figure of the Heavens  
at the Suns entrance into *Aries*, the Ecli-  
pses, with other Celestial observations, a  
Chronology, a Table of the Assize of Bread,  
with some observations upon the various  
risings and settings of the Moon, and the  
Cosmical, and Acronical, risings and settings  
of some of the principal fixed Stars, with o-  
ther things of note.

---

*Magna opera Domini: Exquisita in omnes  
Voluntates ejus.*

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C A M B R I D G E,

Printed by *John Hayes*, Printer to the  
University, 1678.

Swan 1678.

## Of the Suns entrance into the four Cardinal Signs.

**T**He Sun enters Aries by the Tables of Urani Practica the 9 of March, 11 h. 50 m. By Carolina the 9 day 13 hours 49 min. 52 sec. And by M<sup>r</sup> Gadbury's Ephemerides upon the 9 day, 15 hours, and 14 min. the 16 Degree of Capricorn then ascends, as may be seen by the following figure. And the difference of Meridians between London and Cambridge is accounted but one minute.

The time of the Suns entrance into the other Cardinal points is as followeth.

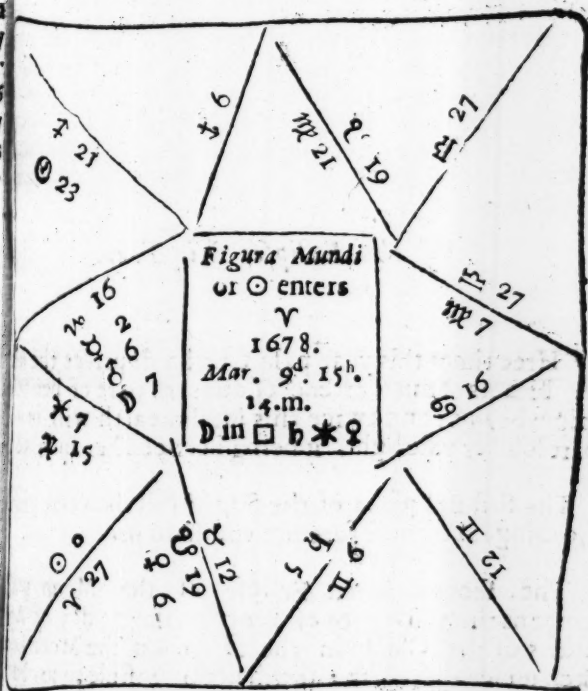
He enters Cancer June the 11, at 10 min. past 5 in the morning, making the longest day with us containing 16 hours. 34 min.

He enters Libra September the 12 at midnight, then making our day and night equal, and then he beginneth the Autumnal quarter.

He enters Capricorn December 11 at 30 min. past 9 in the morning, making our shortest day and longest night. The day being 7 hours, 26 minutes. And the night 16 hours 34 min. Those that are for the earths morion, may suppose when the Sun is in Aries, the earth is in Libra, And so the contrary of the rest,

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A Figure of the Heavens at the Sun's entrance into *Aries*.



In this Figure we find 16 degrees of Capricorn ascending, that being the night House of Saturn, and the House of his Triplicate Terms, and he having 10 Dignities is Lord of the Ascendant, and placed in the 4 House: Mars being placed in the Ascendant, and the House of his exaltation with the Moon and Mercury: Astrologers say much of the effects thereof: But because more hath been

*Swan 1678.*

been spoken then hath agreed with truth: I shall only note, that there may arise many dangers to women with Child, much wind with violent storms, and often times great store of wet.

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*Of the Eclipses this Year.*

**T**Hree times this year pale Cintha deprives the inhabitants of this Terrene Globe: in part of her Sovereigns beams: and twice this Massey earth will in some part lose her pale light, it being between her and the Sun.

The first Eclipse is of the Sun, April the 11 at 3 in the morning, and therefore not visible to us.

The second is an Eclipse of the Moon which happens the 16 Degree of Scorpio, the 26 day of April near 5 of the Clock in the afternoon, the Moon being then under the earth: It will not be visible to us, but it will be total and almost central in *Persia, Arabia Felix*, and those South-east parts, &c. And worth the industrious Astronomers observation.

The third will be an Eclipse of the Sun, upon the 5 day of October, about 5 a Clock in the evening: but the Eclipse in it self being very small: And the Sun just setting, as to us when he begins to enter his Eclipse.



Swan 1678.

and therefore cannot be seen of us, it happens near  
Royall fixed star called the Virgins Spick, what is to  
be seen of it will be in the unknown southern parts of  
the world.

The fourth Eclipse will be of the Moon the 19 day of  
October, near 8 of the Clock at night, in the 6 degree of  
Scorpius. This Eclipse will be visible to the greater part  
of Europe, and it will appear a total Eclipse to the more  
southern parts of *America*, and to such as sail near the  
Mediterranean Sea: according to that famous Mathematician,  
who declares it to fall just in the Dragons Tail:  
the most Central that may be.

The fifth Eclipse will be of the Sun, on the 4 day of  
November; about nine of the Clock in the Morning:  
it happens in the 21 degree of Scorpio. The Luminaries  
being far distant from the north Node, viz. above 16  
degrees: it will be very small, scarcely to be seen, but  
what is seen of it will be to such as sail in the Northern  
Oceans.

C 3

Some

Swan 1678.

*Some Astronomicall Observations.*

**O**N the 25 of March this year there happens a parallel Conjunction of Jupiter and Mars, their Longitudes and Latitudes being both equal, Mars Eclipsing Jupiter, this Conjunction may be seen about 45 minutes before Sun rise, those Planets then beginning to ascend our Horizon.

Upon the 11 of January at 35 min. past 7 at night the Moon will be full south. At which time Aldebaran or the Bulls eye will be 2 Degrees to the West of the Moon at the same instant, and 5 Degrees south Latitude: being a Star of the first Magnitude.

And the bright star of Orions shoulder, a Star of the second Magnitude is to the Eastward about 6 Degrees Latitude south of the Moon 13 Degrees. And the middlemost of the Belt of Orion 12 degrees to the Eastward; and Latitude south of the Moon 23 degrees.

The bright star of Orions left foot a star of the first Magnitude, being at the same time East of the Meridian 6 Degrees 30 m. having 28 Degrees Latitude.

Fyrus or the greater Dog is then South South-east, and half a point to the Eastward, having  $16\frac{1}{2}$  Degrees of altitude.

Swan 1678.

# A Brief Chronology.

The Creation of the World	5682
Noahs Flood	4025
The destruction of Troy	2879
Brute entered England	2786
The building of London	2780
The building of York	2610
The building of Cambridge	2492
Alexander the Great died	2001
Caesar conquered Britain	1730
Rome destroyed Jerusalem	1607
Cambridge made a University	1043
The first Mayor of London	488
The invention of Guns	298
The invention of Printing	229
Bilbury Camp, July 25	90
The Powder Treason	73
King Charles I. murdered	30
King Charles II. Returned	18
King Charles the II married	16
The terrible destructive wind in February	16
3 Blazing Stars in a short time	14
The great Plague in London whereof died 100000	13
London almost consumed by fire	12
The Merchants met again in the } Rovall Exchange	9
The Duke of Albemarle died	9
The Dutcheffs of Orleans at Dou. } and died soon after	8
War proclaimed against the Dutch March 18	6
A peace concluded with the Dutch Feb. 9	4
The Duke of Monmouth Install. Chancellour of the University of Cambridge, September 3	4

SEPT 1678.

*Some observations upon the various rising, and  
setting of the Moon.*

**I**T is the opinion of the vulgar, that there is about an hours difference in the time of the Moons rising, and setting every night: but after Astronomers (according to her mean motion) the difference is onely 43 minutes; but these rules seldom prove true; for at one time of the year we may find the difference of her rising will be but little above an hour in four nights time; at another time the difference will be an hour and half in one night. Therefore in the first place take notice that those Full Moons which happen in Signs of short Ascensions, which are  $\gamma$   $\nu$   $\delta$   $\pi$  will rise sooner the following evenings; and the new Moons happening in those signs, will sooner appear, or be visible to us, then those which happen in signs Direct, or of long Ascensions, which are  $\odot$   $\Omega$   $\epsilon$   $\mu$   $\tau$ , but to come near to the matter, those full Moons which happen nearest the Autumnal Equinox, viz. in Pisces or Aries, rise the soonest, or the least distance in time of any in the year, for they being oblique signs, and the shortest signs of Ascension, do both of them Ascend the Horizon in one hour, and 36 minutes, that is each of them in 48 minutes, so that the Autumnal full Moon this year happening in 18 degrees of Pisces, and having at that time great north Latitude, the difference for the time of her rising four nights together, will not be much above an hour.

On the contrary, those full Moons which happen in signs of Direct and long Ascensions, are longer before they rise in the following evenings; and the new Moons happening in those signs are longer before they appear or are visible to us, as those new Moons which fall in Libra, or the beginning of Scorpio are but little seen in the first quarter.

Example, the Full Moon happening near the Vernal Equinox.

Swan 1678.

Equinox, this year 1678, viz. the 9 of March, in 28 deg. of Virgo, which with the following sign Libra are of longest Ascensions, both of them being 5 hours, 40 min. Ascending the Horizon, that is each of them 2 hours, 40 minutes, and the Moon at that time having great South Latitude, it will be an hour and half ( the day following ) after Sun setting, before she riseth, or as we usually say, she will sit an hour and an half the next evening.

But the new Moon happening after the Vernal Equinox will be seen soon after the Change ; as the Vernal new Moon falling this year on the 22 day of March, in 2 deg. of Aries a sign of long Descension, and the Moon having great North Latitude, she may ( if the air be clear ) the day following, be seen almost two hours high at Sun setting : but as I said before those new Moons which happen near or after the Autumnal Equinox are but little seen in the first quarter, as may be observed by the new Moon happening near the Autumnal Equinox this year, viz, the 18 day of September in the 4 degree of Libra, a sign of Direct, and short Descension, descending the Horizon in little more then three quarters of an hour, with which considering the Moon then in her mean motion ; and having south Latitude, I find she will not be much above an hour high at Sun-setting the 4 day after the Change.

Take notice that the Moons north Latitude, causeth her to rise sooner and set later ; her south Latitude to rise later and set sooner.

The reason of these things may better be found by the Globe ; therefore I wish those that have skill therein, and desire better satisfaction, to make use of it, I shall next shew her names, motion, Latitude, &c.

We find the Moon called by divers names as Cynthia, Diana, Lucina, Latona, Noctiluca, Phoebe, Proserpina, the reason of which names may be seen in *Mystagogus Poeticus*

## SWAN 1678.

*Poeticus*: she finisheth her course through the Zodiack in 27 days, 7 hours, 43 minutes; she hath a threefold motion, viz. Swift in her Perigzon, moving 15 deg. in 24 hours; slow in her Apogzon moving but 11 deg. and 18 minutes; and being between both in her mean motion, she passeth 13 deg. and 10 min.

Her greatest Latitude north is 5 deg. and 17 min. her greatest south Latitude is 5 deg. and 12 min. her Latitude is that space which she is distant either North or South, from the Ecliptick; or thus, the Moon having 5 deg. north Latitude, in the end of Gemini, or beginning of Cancer, she is then 5 deg. more north or 5 degrees nearer our Zenith, at her Meridian Altitude, then the Sun at any time doth come; and when she hath the same Latitude in the most southern signs, she is so many degrees more south then the Sun at any time doth go.

The Sun hath also a threefold motion, viz. in his Apogzon 57 minutes, and 16 seconds in 24 hours; in his Perigzon 61 minutes, and 6 seconds; in his mean motion 59 minutes, and 8 seconds, from which variation of motion it comes to pass that there is about 7 days more from the Vernal Equinox to the Autumnal, then there is from the Autumnal Equinox to the Vernal.

Likewise the variation of the Suns motion is the cause that the days and nights do not lengthen, or shorten a like, at all times of the year, for whereas at some times they lengthen, or shorten, 4 minutes in a day; at other times we find they do not lengthen, or shorten two minutes in a day, and when the Sun is near, or toucheth the Tropicks, they seem to be at a stand for some days.

SMAN 1678.

of the *Cosmical, Acronical, and Heliacal rising,*  
and setting of some of the principal fixed stars,  
every moneth in the year.

A Star is said to rise *Cosmically*, when it Ascends the  
Horizon at the same instant with the Sun, or with  
the same degree of the *Ecliptick*; but the *Cosmical set-*  
ting is when a star setteth at the same instant that the Sun  
settieth;

The *Acronical rising* of a star is, when it riseth in the  
East Horizon, at the same instant that the Sun setteth in  
the West diametrically opposite; but the *Acronical set-*  
ting is when a Star Descends the Horizon at the same  
instant with the Sun;

The *Heliacal rising* is, when a Star having been hid  
under the Sun beams, begins again to appear, but the  
*Heliacal setting* is when a Star, by the approach of the  
Sun is overshadowed with his beams and so becomes  
invisible.

*January.*

The 7 day *Lucida Corona* sets *Acronically*, the 8 day  
the North-*Ascellus* riseth *Acronically*, 9 day the right  
shoulder of *Hercules* sets *Acronically*, 15 day the lesser  
Dog riseth *Acronically*, and the 26 day the greater Dog,  
17 day the vulture sets *Acronically*, 29 day the Eagle;  
and the bright star of the Crown riseth *Heliacally*.

*February.*

The 2 day the Lyons Heart riseth *Acronically*, and  
the 4 day setteth *Cosmically*, the 10 day the Dolphin set-  
teth *Acronically*, 14 day the Heart of *Hydra* riseth *Acro-*  
nically, 16 day the Swans-bill setteth *Acronically*, and  
*Marchab Pegasi* setteth *Heliacally*.

*March.*

The 6 day *Vindemiatrix* riseth *Cronical*, the 5 day  
the Horn of the Ram riseth *Cosmically*, the 10 day  
*Arcturus* riseth *Cronically*, at which time *Cardan* saith  
Swallows

## Swan 1678.

Swallows do come, and at its Acronical setting they go away again, the 12 day the Virgins Girdle riseth Cronically, the 21 day the Virgins Spick setteth Cosmically, and the 30 day she riseth Acronically.

### April.

The 12 day the Whales Tail riseth Cosmical, the 22 day the 7 Stars rise Cosmical and the South Ballance setteth Cosmically, the 29 day the Girdle of Andromeda setteth Acronically, and the 7 Stars set Heliacally.

### May.

The 3 day Canis major setteth Acronically, the Hyades the 6 day, the 10 day the Pleiades set Cronically, the 10 day Aldebaran, the 18 day Procyon setteth Heliacal, the 23 day the Eagle riseth Cronical, and about that time the Scorpions Heart, the 27 day the Bulls eye riseth Cosmical.

### June.

The 6 day the lesser Dog sets Cronically, which hapning at a Full Moon (*Stadius* saith) doth much hurt to Fruits, Flowres, and Vines, by reason of his burning heat, it happens near the Full Moon this year, the 13 day Arcturus setteth Cosmical, the 16 day the Heart of Hydra sets Cronically, the 26 day the Head of Andromeda riseth Cronically.

### July.

The 2 day Orions Belt riseth Cosmical, and is accounted a Critical day, for some say if it rain that day it will rain little or much every day for 4 weeks, but others say S. Swithin is the day, the 10 day Lucida Corona sets Cosmical, the 14 day Precepe riseth Cosmically, the 19 day the lesser Dog, and the 30 day the greater Dog, *Cardan* saith, that at the rising of this Star

all



## SWAN 1678.

all living creatures are troubled, and that it is scarce possible that dryness, and sickness should not be; *Stadius* saith that Dogs then go mad; that wine is troubled in Cellars; fluxes in the Sea more then ordinary; with the death of Fishes, &c. Especially if Jupiter, or Mars be in fiery signs, but they are not so this year; *Diaphanes* saith, if at the rising of the great Dog Star with the Sun, the Moon be in Aries, it presage rain, and tempest; in Taurus storms; in Gemini pestilence; in Cancer dryness; in Leo burning heat; in Virgo thowers, with untimely birth of Children; in Libra great dryness; in Scorpio Plagues; in Sagittarius, or Capricorn, rain and tempest; in Aquarius drought and sickness; in Pisces rain the ensuing year; the Moon is this year in Sagittarius, what alteration the rising of this Star with the Sun, may cause in hotter Countreys I cannot tell but I seldom find much alteration with us without other causes adjoyning.

### August.

The 2 day the Eagle setteth Cosmically, causing South-west winds, with great heat, *Cardan* saith it raiseth the Etesian winds, which according to *Ptolome*, continue 31 days; the 8 day *Regulus* riseth Cosmically, the 13 day the great Dog riseth Heliacal, at which rising there are many observations, as, if then the Heavens be cloudy, and dark, it signifieth a heavy time with Plagues, but being fair, and clear it is a good sign, &c. The 12 day the Dolphin setteth Cosmically, bringing rain.

### September.

The 1 day is accounted Critical, if it rains not that day, the rest of Autumn is like to be dry, the 12 day *Arcturus* riseth Cosmically, the 18 day the bright Star of the Crown riseth Cosmically, the 24 day the Virgins Spick sets Acronically, the 27 day *Siheal Pegasi* setteth Cosmically.

### October.

## Swan 1678.

### October.

The 3 day the Virgins Spick riseth Cosmically, the 10 day the left Shoulder of Hercules, the 15 day the Dragons Tail setteth Vespertine, the 17 day the Lyons back setteth Acronically, the 23 day the South Ballance riseth Cosmically, the 24 day the Pleiades set Cosmically, the 31 day the Swans Bill riseth Cosmically.

### November.

The 4 day the Scorpions-Heart setteth Acronically, which with the Astrologers is a Critical day, the 5 day the great Dog setteth Cosmically, bringing Southern winds, the 8 day the Succulæ or Hyades set Cosmical, about which time, ( some say ) if it be wet, it will be a moist winter; if dry a sharp winter, the 24 Arcturus setteth Heliacal, often causing rain, saith Cardan.

### December.

The 5 day the bright foot of Gemini setteth Cosmical, the 12 Arcturus setteth Cronically; about the winter Solstice ( which is at this time ) we usually have calm weather, and therefore are called Halcyon days, but in December 1675 we had violent winds. a great part of the moneth, but Mars, and Mercury were near together all that moneth, and were twice in Conjunction, which was like to produce no good weather, as is noted in Doves Almanack for that year.

I know Astronomers have many observations upon the Cosmical, and Acronical, rising and setting of the fixed Stars; and tell us they cause much alteration in the Air; but because I have seldom found it so, without other causes concurring. I have omitted most of their significations until I am better satisfied in the truth of them my selfe, and having likewise given a general conjecture of the weather in the former part of the Almanack, I shall add no more, but that there will be much hear, and thunder, in those countreys under Mars, and Scorpio.

# A Table for the Assize of Bread.

By Troy weight, having twelve ounces in a pound, and 20 peny weight in each of those twelve ounces.

By *Avoir-du-pois* wt. over-weight having 16 ounces in the pound, our common weights.

Country Bakers out of Corpor.

	Peny white			Wheat.			Household.			d. White			Wheaten			Household			Price of		
	li.	Oun.	d.	li.	Oun.	d.	li.	Oun.	d.	Oun.	qu.		Oun.	qu.		Oun.	qu.		Wheat.		
1	3	6	11	1	0	2	6	12		17	0	25	1	34	0	2	3	d.			
3	1	2	21	9	2	2	4	4		16	0	23	0	32	0	2			6		
6	1	1	01	7	10	2	2	0		15	0	21	1	30	0	2			9		
9	1	0	11	6	0	2	0	2		13	2	19	3	27	0	3			0		
0	0	11	51	4	18	1	10	10		12	1	18	3	24	2	3			3		
3	0	10	111	3	16	1	9	2		11	2	17	1	23	0	3			6		
6	0	9	191	2	17	1	7	18		10	0	16	1	22	0	3			9		
9	0	9	81	2	11	6	16			10	1	15	2	20	2	4			0		
0	0	8	181	1	7	1	5	16		9	3	14	3	19	2	4			3		
3	0	8	91	0	12	1	4	17		9	1	14	0	18	2	4			6		
6	0	8	11	0	0	1	4	2		8	3	13	1	17	2	4			9		
9	0	7	130	11	10	1	3	6		8	1	11	3	16	2	5			0		
0	0	7	7011	0	1	2	14			8	0	12	0	16	0	5			3		
3	0	7	1010	10	1	2	1			7	3	11	2	15	2	5			6		
6	0	6	15010	2	1	1	10			7	2	11	0	15	0	5			9		
9	0	6	500	9	14	1	1	0		7	0	10	2	14	0	6			0		
0	0	6	50	9	6	1	0	10		6	3	10	1	13	2	6			3		
3	0	6	00	9	0	1	0	0		6	2	10	0	13	0	6			6		
6	0	5	160	8	15	0	11	12		6	1	9	2	12	2	6			9		
9	0	5	120	8	9	0	11	2		6	0	9	1	12	1	7			0		

The proportion of the pound *Avoir-du-pois* to the pound Troy, is as 60 to 73; so that 60 pounds *Avoir-du-pois* are equal to 73 pounds Troy. The proportion of the ounce Troy to the ounce *Avoir-du-pois* is as 73 to 80; so that 73 ounces Troy, are equal to 80 ounces *Avoir-du-pois*. Therefore the pound *Avoir-du-pois* is greater then the pound Troy; and the ounce Troy is greater then the ounce *Avoir-du-pois*.

Wheat at 5 shillings the Bushel or Strike, the Town-bakers peny white, is (by Troy) 7 ounces, 7 peny weight: by *Avoir-du-pois* 8 ounces: And the Countrey bakers peny white (by Troy) 7 ounces, 12 peny weight: by *Avoir-du-pois* 8 ounces and one quarter. If the baker want one ounce in 36 ounces of this assize, he shall suffer the Pillory without any fine or admonition, §1 Hen. 3.

A

A Catalogue of some eminent Cities and Towns  
their Latitude, and difference of Meridian  
from London.

Names of the Cities.	[Latitude] D. [L.D. m.] H.	
Aberdeen in Scotland	59	40 0
Amsterdam in Holland	52	24 0
Antwerp in Brabant	51	12 0
Barwick in England	51	49 0
Bedford in England	52	18 0
Bristol in England	51	32 0
Cambridge in England	52	17 0
Calice in France	50	52 0
Constantinople	43	0 1
Dublin in Ireland	53	11 0
Dartmouth in England	50	30 0
Darby in England	53	6 0
Durham in England	54	43 0
Edenburg in Scotland	57	0 0
Frankford on Odor	52	20 0
Geneva	42	14 0
Grantham in England	57	58 0
Hereford in England	52	14 0
Hierusalem	52	10 3
Lincoln in England	52	15 0
Leyden in Holland	32	7 0
Leicester in England	52	40 0
Midleburg in Zeland	52	30 0
Oxford in England	48	4 0
Paris in France	43	52 0
Qur zay in China	40	0 8
Rome in Italy	42	12 0
Tubing in Germany	48	34 0
Uraniburg in Denmark	55	54 0
York in England	54	0 0